

PROPOSAL WRITING: STUDY DESIGNS

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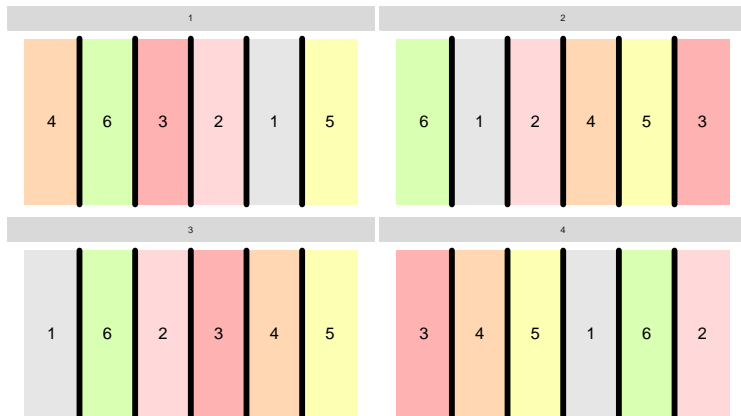
Academic year 2019-2020

1 POPULAR DESIGN VARIANTS

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RCB DESIGN

Field plot layout in RCB design
Number of treatments = 6, Replication = 4



ALPHA LATTICE DESIGN

Field plot layout in Alpha lattice design

Number of treatments = 25, Block size = 6, Replication = 3

1					2					3				
4	2	6	7	3	3	21	10	11	5	16	23	21	12	2
9	21	8	15	20	23	6	15	17	1	9	14	7	1	11
25	18	11	17	16	2	9	22	13	18	6	18	10	24	8
5	13	1	24	12	16	4	24	14	20	22	25	5	15	4
19	22	23	10	14	7	12	25	8	19	13	20	17	19	3

SPLIT PLOT DESIGN

Field plot layout in Split plot design
Main plots = 4, Sub plots = 6, Replication = 3

—	trt1
—	trt2
	trt1
	Carbendazim
	Fenamidone
	Fenamidone + Mancozeb
	Mancozeb + Metalaxyl
	Propiconazole
	Trichoderma
	trt2
Cn	Control
FS	Foliar Spray
S+F	Seed + Foliar
ST	Seed Treatment

	1						2						3					
trt1	FS	Cn	Cn	ST	Cn	Cn	S+F	ST	Cn	S+F	Cn	FS	S+F	FS	Cn	Cn	ST	FS
trt2	ST	ST	ST	Cn	ST	ST	FS	S+F	FS	ST	ST	S+F	ST	S+F	S+F	S+F	FS	ST
trt1	Cn	S+F	FS	S+F	S+F	S+F	ST	FS	ST	FS	S+F	Cn	Cn	Cn	FS	ST	Cn	S+F
trt2	S+F	FS	S+F	FS	FS	FS	Cn	Cn	S+F	Cn	FS	ST	FS	ST	ST	FS	S+F	Cn